

a core section over the buffer layer, the core section being made of organic polymer; and

B1 a clad section covering an upper surface of the core section and made of inorganic dielectric having a lower refractive index than that of the core section, the clad section being formed by sputtering, CVD or vapor deposition.

Please add the following new claims:

--47. An organic waveguide comprising:

a substrate;

a buffer layer over the substrate;

Sub C2 a core section over the buffer layer, the core section being made of organic polymer; and

B2 a clad section covering an upper surface of the core section and made of inorganic dielectric having a lower refractive index than that of the core section.--

--48. The organic waveguide as set forth in claim 47, wherein the substrate comprises silicon.--

--49. The organic waveguide as set forth in claim 47, wherein the buffer layer comprises silicon oxide.--

--50. The organic waveguide as set forth in claim 1, wherein the substrate comprises silicon.--

--51. The organic waveguide as set forth in claim 1, wherein the buffer layer comprises silicon oxide.--

Sub C3
B2 --52. An optical part, which comprises:
an organic waveguide; and
an optical element selected from the group consisting of a photo-emitting element, a photo-receptive element and a lens, wherein the organic waveguide and the optical element are formed on a single substrate,
and the organic waveguide comprises:
a buffer layer over the substrate;
a core section over the buffer layer, the core section being made of organic polymer; and
a clad section covering an upper surface of the core section and made of an inorganic dielectric having a lower refractive index than that of the core section.--

--53. The optical part as set forth in claim 52, wherein the inorganic dielectric of the clad section is formed by a sputtering method, a CVD method or a vapor deposition method.--

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--54. The optical part as set forth in claim 52, wherein

*B2
cont* a portion of the clad section comprises a masking clad section
'which serves as a mask when processing the core section.--

Attached hereto is a marked up version showing the changes
made to the application by this Amendment.